

INSTRUCTIONS FOR TABLE 5.3

NON-CANCER TOXICITY DATA - SPECIAL CASE CHEMICALS

<p>PURPOSE OF THE TABLE:</p> <ul style="list-style-type: none"> To provide information on toxicity values, target organs, and adjustment factors for unusual chemicals or circumstances that are not covered by Tables 5.1 or 5.2 To verify references for non-cancer toxicity data. 	<p><i>For example, a toxicity factor derived specifically for an individual risk assessment should be documented in Table 5.3.</i></p>
<p>INFORMATION DOCUMENTED:</p> <ul style="list-style-type: none"> The toxicity values for each of the COPCs, as well as modifying factors The organ effects of each of the COPCs References for toxicity values and organ effects. 	
<p>TABLE NUMBERING INSTRUCTIONS:</p> <ul style="list-style-type: none"> Complete one copy of this table only. Number it Table 5.3. The table should contain a row for each COPC considered. 	<p><i>If chronic and subchronic effects are listed for the same COPC, two rows will be required.</i></p>
<p>GENERAL NOTES/INSTRUCTIONS FOR THIS TABLE:</p> <ul style="list-style-type: none"> Table 5.3 does not replace the toxicological profiles for the individual chemicals that will be presented in the risk assessment. 	<p><i>Refer to RAGS, the risk assessment technical approach, and EPA Regional guidance to complete the table.</i></p>
<p>HOW TO COMPLETE/INTERPRET THE TABLE</p>	
<p>Column 1 - Chemical of Potential Concern</p>	
<p>Definition:</p> <ul style="list-style-type: none"> Chemicals that are potentially site-related, with data of sufficient quality, that have been retained for quantitative analysis as a result of the screening documented in Table 2. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the names of the chemicals that were selected as COPCs from Table 2. 	<p><i>Chemicals can be grouped in the order that the risk assessor prefers.</i></p>

INSTRUCTIONS FOR TABLE 5.3

NON-CANCER TOXICITY DATA -SPECIAL CASE CHEMICALS (continued)

Column 2 - Chronic/Subchronic	
<p>Definition:</p> <ul style="list-style-type: none"> Identifies whether the toxicity value for a particular chemical is for chronic (long-term) and/or subchronic (short-term) exposure. 	<p><i>The risk assessor should use professional judgement when extrapolating to time-frames shorter or longer than those employed in any critical study referenced. As a Superfund program guideline, chronic is seven years to a lifetime; subchronic is two weeks to seven years (RAGS Part A, Sections 6 and 8).</i></p>
<p>Instructions:</p> <ul style="list-style-type: none"> Enter either “Chronic” or “Subchronic” in the field. Both values may be available for an individual COPC. “Subchronic” values may not be available or necessary for an individual chemical. If that is the case, enter only “Chronic” in the column. 	<p><i>Chronic Subchronic</i></p>
Column 3 - Toxicity Value	
<p>Definition:</p> <ul style="list-style-type: none"> The toxicity value for each COPC. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the value for the chronic and/or subchronic toxicity values (as appropriate). 	
Column 4 - Toxicity Units	
<p>Definition:</p> <ul style="list-style-type: none"> The units associated with the toxicity value for each COPC. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter units for each reference as necessary. 	<p><i>Refer to Regional guidance to determine if there is a preference regarding the units to be used.</i></p>

INSTRUCTIONS FOR TABLE 5.3

NON-CANCER TOXICITY DATA -SPECIAL CASE CHEMICALS (continued)

Column 5 - Primary Target Organ	
<p>Definition:</p> <ul style="list-style-type: none"> The organ that is affected most (i.e., experiences critical effects) by chronic or subchronic exposure to the specific COPC, and upon which the RfD is based. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the name of the most affected organ or organ system in the column. 	<i>If there are two organs that are equally affected, enter the names of both, separated by a '/'.</i>
Column 6 - Combined Uncertainty/Modifying Factors	
<p>Definition:</p> <ul style="list-style-type: none"> The factors applied to the critical effect level to account for areas of uncertainty inherent in extrapolation from available data. 	<p><i>Refer to IRIS/HEAST for these values. Examples of uncertainty to be addressed include:</i></p> <ul style="list-style-type: none"> <i>- variations in the general population</i> <i>- interspecies variability between humans and animals</i> <i>- use of subchronic data for chronic evaluation</i> <i>- extrapolation from LOAELs to NOAELs.</i>
<p>Instructions:</p> <ul style="list-style-type: none"> Enter number obtained from IRIS/HEAST. 	<i>Refer to IRIS/HEAST for these values.</i>
Column 7 - Sources of Toxicity/Primary Target Organ Information	
<p>Definition:</p> <ul style="list-style-type: none"> The sources of the toxicity and target organ information. 	
<p>Instructions:</p> <ul style="list-style-type: none"> Enter the sources of the toxicity and target organ information. 	<i>IRIS HEAST NCEA</i>
Column 8 - Date (MM/DD/YY)	
<p>Definition:</p> <ul style="list-style-type: none"> The dates of the document that were consulted for the toxicity information and the target organ information in MM/DD/YY format. 	<i>The MM/DD/YY format refers to month/day/year.</i>

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NON-CANCER TOXICITY DATA -SPECIAL CASE CHEMICALS (continued)

<p>Instructions:</p> <ul style="list-style-type: none">• Enter the dates, in MM/DD/YY format, for the toxicity and target organ information. Use a colon to delineate between the dates, if the sources of information are different for toxicity and target organ.• <i>For IRIS references, provide the date IRIS was searched.</i>• <i>For HEAST references, provide the date of the HEAST reference.</i>• <i>For NCEA references, provide the date of the article provided by NCEA.</i>	<p><i>For example, the MM/DD/YY version of the date March 30, 1995 is 03/30/95.</i></p>
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